

Cumulative Index

AUTHOR INDEX

- Abitbol, M. Maurice, 293
Abramov, Moshe, 195
Adamkin, David H., 310
Adoni, Amiram, 195
Alden, Errol R., 70
Aldrich, Marilyn, 148,216
Alpan, Gad, 345
Alverson, Dale C., 148,216
Amiel-Tison, Claudine, 6
Amit, Yair, 345
Angelus, Pamela, 148,216
Aranda, Jacob V., 28,43,185
Arwood, Larry, 242
Auerbach, David A., 52
Avery, Gordon B., 355
- Babcock, Diane S., 351
Ballard, Jeanne L., 351
Barton, Catherine W., 214
Beck, Robert, 251
Berchuck, Andrew, 263
Berkowitz, Richard L., 298
Berman, William Jr., 148,216
Blackmon, Lillian R., 52
Bose, Carl L., 208
Bottoms, S.F., 322
Bottos, Michele, 145
Boucher, Marc, 312
Bowen, Sandra K., 47
Bozynski, Mary Ellen, 325
Bracken, M., 118
Braun, William J., 47
Brill, Paula W., 199,281,361
Bucalo, L. Randall, 177
- Callenbach, John C., 47,203
Cantraine, F., 118,129,136
Capoti, Claudio, 145
Carnielli, Virgilio, 145
Cassano, Patricia, 12
Catanzarite, Valerian A., 174
Catz, Charlotte, 276
Cefalo, Robert C., 58
Chervenak, Frank A., 170,266, 298,341
Chilcote, Wayne S., Jr., 325
Clapp, James F., 276
Clarkson, Susanna, 28
Clemons, Gisela K., 177
Cohen Aaron, 21
Cohen, Jacob, 12
Cohen, Mervyn D., 196
Cohen, Ronald S., 177
Collinge, Judith M., 28,185
Cook, Lynn J., 335
Cordero, Leandro, 242
Cotton, D.B., 322
Cortina, Pablo, 174
Coultrip, Laura, 266
Cousaert, E., 118,129,136
Creasy, George W., 302
Crowley, Dennis C., 214
Cureton, Kirk J., 276
- Davis, S. Edward, 223
Deddish, Ruth B., 81
Dick, Macdonald, 214
Dolfin, Tzipora, 107
Donn, Steven M., 36
Donovan, Carmel, 281
Druzin, Maurice L., 161
- Ehrlich, Michelle E., 1
Eitzen, Harold, 76
Eldridge, Marlowe W., 148,216
Elias, Sherman, 81
Eng, Robert R., 223
Engel, Ivy A., 102
Engel, William A., 196
Erkkola, Risto, 165
Eyal, Fabian, 345
- Fabro, Sergio E., 276
Faxelius, Gerd, 152
Ferguson, J.E. II, 174
Fernsler, Sarah, 247
Filston, Howard C., 52
Fleischman, Alan R., 259
Fong, Katherine W., 107
Frayer, William, 1
Fuchs, A.-R., 64
Fuchs, F., 64
- Galioto, Frank M., 355
Garcia, Joseph F., 177
Genaze, Diane, 325
Giacoin, George P., 349
Gifford, Kathleen, 247
Glenski, James A., 203
Glick, Benjamin, 345
Gloeceler, Lawrence C., 98
Goeschen, K., 64
Goetzman, Boyd W., 23
Goldberg, Ronald N., 40
Golden, Nancy L., 158
Golden, Steven M., 70,223
Gonik, B., 322
Gonzalez, Felipe, 208
Govea, Francisco Gonzales, 31
Granati, Bruno, 145
Grannum, Peter A., 341
Gribbins, Ronald E., 268
Grisson, Michael P., 223
Guillemin, Jeanne Harley, 89
Hadeed, Anthony, 285
Hägnevik, Kerstin, 152
Hall, Fred K., 203
Hall, Robert T., 47,203
Hamosh, Paul, 355
Hann, Cecelia, 242
Harned, Herbert S. Jr., 190,227
Hayslett, John P., 341
Henry, G. William, 227,236
Hensleigh, Paul, 174
Herbert, William N.P., 58
Heroman, William M., 70
Hildebrandt, Richard J., 247
- Hillman, L.S., 288
Hillman, R.E., 288
Hindmarsh, Wayne, 331
Hirsch, Victor, 158
Hobbins, John C., 31,118,136,266, 298,341
Holden, Kathy P., 161
Holmstrom, Lynda Lytle, 89
Hopper, Andrew O., 177
Hoskins, Elizabeth M., 107
Hurt, Hallam, 335
Hurwitz, Arye, 195
- Irestedt, Lars, 152
- Jeanty, P., 118,129,136
Johnson, John D., 148
Jovanovic, Lois, 161
- Kadar, Nicholas, 31
Kaplan, Michael, 355,361
Kanto, Jussi, 165
Kattwinkel, John, 335
Kazam, Elias, 102
Kero, Pentti, 165
King, Jerry, 208
Kirks, Donald R., 52
Koenigsberger, Richard J., 12
Koontz, William L., 58
Korvenranta, Heikki, 165
Kraybill, Ernest N., 190
Kurth, C. Gay, 47
- La Gamma, Edmund F., 293
Lagercrantz, Hugo, 152
Landt, M., 288
Lawson, Edward E., 190,227
Lee, Benjamin C.P., 1
Lemons, James A., 76,196
Lemons, Pamela M., 76
Lipscomb, Anthony P., 6
Long, Walker A., 182,190,227,236
Longo, Lawrence D., 276
Lundell, Bo P.W., 152
- Maisels, M. Jeffrey, 247
Marshall, Ernest, 310
Marshall, Richard E., 268
Martin, Alice O., 81
McNellis, Donald, 276
Meier, Werner A., 325
Menon, P.A., 288
Merten, David F., 52
Metcalfe, James, 276
Metzl, Kurt, 47
Miller, Kathy, 76
Milligan, John E., 107
Molinoff, Seymour, 361
Moonjian, Ara S., 319
Moore, Donald C., 107
Morrow, Doreen, 247
- Nalle, Loudon, 70

- Nanto, Veikko, 165
Nelson, Michael N., 325
North, Steven E., 363
Nowacek, George A., 335
- O'Brien, William F., 223
O'Donnell, Karen J., 325
Ostrander, Clinton R., 177
Outerbridge, Eugene W., 43
- Pan, Chao, 259
Peleg, Ofra, 345
Peltonen, Tuomas, 165
Perlmutter, Steven, 361
Peterson, Charles M., 161
Plotzker, Michael C., 98
Pollack, Louis D., 36
- Ramsey, Ruth G., 325
Rasmussen, A.B., 64
Reece, E. Albert, 266,325,341
Rehnström, J.V., 64
Richardson, Peter, 208
Roberts, J.L., 288
Roloff, Dietrich W., 36
Romero, Roberto, 31,170,298,341
Rondinelli, Mario, 145
Rosati-Skertich, Celine, 325
Rubaltelli, Firmino F., 145
Rush, David, 12
- Ruttmann, Urs E., 355
- Saenger, Paul, 259
Saling, E., 64
Sankaran, K., 114,331
Schall, Stewart A., 236
Schick, James B., 23
Schwartz, Herbert C., 177
Scott, David, 298
Shaffer, Stanley G., 203
Sheehan, Michael B., 47,203
Shennan, Andrew T., 107
Short, Jerry G., 335
Siegel, Sharon R., 285
Simon, Nicolas V., 302
Simpson, Joe Leigh, 81
Sinatra, Frank R., 40
Skidmore, Martin B., 107
Smith, Cith, 288
Sokal, Myron M., 319
Sokol, Robert J., 158,263
Stevenson, David K., 177
Stewart, Ann L., 6
Strodtbeck, Frances, 76
Struyven, J., 136
Suidan, Joseph S., 306
Surks, Martin I., 259
- Tack, B., 118,136
Taeusch, H. William Jr., 21
- Thach, B.T., 288
Thibault, Donald W., 203
Thomas, Daniel W., 40
Thorburn, Rosalind J., 6
Tortora, Marge, 298
Trippenbach, Teresa, 43
Tsang, Reginald C., 351
- Uzark, Karen, 214
- Vannucci, Robert C., 1
Venkataraman, Pankaja S., 351
Vijayan, Suja, 319
Visconti, James, 242
Voorhies, Theresa M., 1
- Walson, Valerie G., 331
Wasserman, Jeannie F., 306
Weber, Thomas R., 196
Weiner, Leonard B., 310
Weinstein, Candee, 174
Werner, Shlomo B., 216
Wilker, Richard E., 259
Willis, Park W. IV, 182
Wilson, Arlene Uriel, 12
Winchester, Patricia, 199,281,361
Wood, Brian, 208
- Yagel, Simcha, 195
Yonekura, Lynn, 312
Young, Bruce K., 306

SUBJECT INDEX

- Abdomen, gasless, secondary to pancuronium bromide, 199-200
"Abdominal Perimeter, Normal Growth of," 129-135
Abdominal perimeter curves, comparison of, 134
Abdominal perimeter values versus gestational age, 132
Abscesses, IV related, 186
Acidosis, metabolic, 70,290,291
Acinetobacter calcoaceticus vr. *Antitratus* infection, 191,194
"Adrenal Hemorrhage, Calcified Neonatal: Diagnostic and Therapeutic Considerations," 36-39
"Alpha Hemolytic Streptococci in the Neonate," 319-321
Alpha hemolytic Streptococcus viridans (AHSV), 319-321
Alveolar rupture, secondary to high applied airway pressure, 345-348
American Academy of Pediatrics versus Heckler (1983), 93
Aminophylline, intravenous, pharmacokinetics of, in nonsmoking women at term, 31-35
Amniocentesis, preterm rupture of membranes management by, 322-324
Ampicillin, 29
intravenous, epidemiologic complications of, 187,188
for listeria meningitis, 312,313,314
placental transfer of, 310-311
pulmonary interstitial emphysema, 54
Anesthesia
delayed cord clamping and, 165-169
neonatal left ventricular performance and, 152-157
Aneurysm
intracranial arterial, 174-176
of vein of Galen, 237,238
Ankle clonus, 8, 10
Antibiotic therapy
intravenous, complications of, 187-189
placental transfer of, 310-311
Antidiuretic hormone (ADH), 54,56
Aorta, dilation of, 239-240
Apnea, neonatal
aminophylline therapy and, 34-35
caffeine and continuous airway pressure management of, 43-46
drug therapy for, 29-30
plasma beta-endorphin (β -ED) concentration correlation with, 331-334
Asphyxia, fetal
cord clamping and, 168
tpH and fetal heart rate monitoring, 296
neonatal, 209,211
adrenal hemorrhage and, 39
alpha hemolytic Streptococcus viridans, 321
CAVM and, 238,239
necrotizing enterocolitis and, 40-42
pleural effusions and, 191,194
Asthma
aminophylline treatment of, in nonsmoking women at term, 31-35
corticosteroid therapy and, 25
Atelectasis
congenital lobar emphysema (CLE) and, 196,197
endotracheal tube suctioning and, 347
pulmonary interstitial emphysema and, 52,54,56
pulmonary surfactant, 210,211
Atresia, pulmonary, 191
Azotemia, 38
Bacteremia, transient, 347
"Bacterial Growth in Human Milk During Continuous Feeding," 76-80
Bacteroides bivius, 323
Bacteroides fragilis, 191
Base deficit, delivery modes and, 307
"Benzyl Alcohol Toxicity in a Neonatal Intensive Care Unit", 288-292
Betamethasone, 108
Bilirubin levels, in breast- versus formula-fed infants, 47-51
"Bilirubin Production, Pulmonary Excretion of Carbon Monoxide in the Human Infant as an Index of," 177-181
Biparietal diameter (BPD), fetal curves, 125,126
growth charts, 125
measurement of, 123-126
Blood pressure, fetal
fetal
cephalic pressure and, 224,225
neonatal
delayed cord clamping and, 168
effect of anesthesia on, 152-157
Blood urea nitrogen (BUN), fetal survival and, 341-343
Bones, fetal. See Limb growth, fetal
Book Reviews
"Behrman's Neonatal-Perinatal Medicine, 3rd Edition," 106
"Cardiac Problems in Pregnancy," Diagnosis and Management of Maternal and Fetal Disease," 201
"Drugs in Pregnancy and Lactation: A Reference Guide to Fetal and Neonatal Risk," 280
"Manual of Neonatal Intensive Care, A," 105
"Manual of Obstetrics: Diagnosis and Therapy," 280
"Perinatal Cardiovascular Function," 202
"Placental Function Tests," 201-202
"Principles and Practice of Perinatal Medicine," 105
Bradycardia
adrenal hemorrhage and, 39
aminophylline therapy for, 35
cephalic pressure and, 223,226
endotracheal tube suctioning and, 345
necrotizing enterocolitis and, 40-41
Breastfeeding
continuous
bacterial growth during, 76-80
recommended methods for, 79
hyperbilirubinemia and, 47-51
Breech presentation
premature, 145-147
subependymal and intraventricular hemorrhage (SEH/IVH) in low-birthweight infants and, 110-111
"Breech Presentation, The Premature," 145-147
Bronchogenic cyst, 196-198
Bronchography, 198
Bronchopleural fistula, 345,347
Bronchopulmonary dysplasia
diuresis and, 25-26
factors associated with, 22
patent ductus arteriosus, 218
pleural effusions and, 191,193,194
prediction of risk of, 21-22
respiratory distress syndrome and, 206
"Bronchopulmonary Dysplasia, Prediction of Risk of," 21-22
Bronchoscopy, selective bronchial occlusion, 53,54,57
Bronchial occlusion, localized pulmonary interstitial emphysema, 52-57
Bruit, cranial, 239
Bumetanide, 30
"Caffeine and Continuous Distending Airway Pressure in Neonatal Apnea, Interaction of," 43-46
Calcium gluconate, intravenous, 29
epidemiologic complications,

- neonatal, 187, 188
 Carotid blood flow, cephalic pressure and, 225
 Carbon dioxide reactivity, cerebrovascular hypoxic-ischemic encephalopathy in neonates and, 114-117
 Carbon monoxide, as bilirubin production index, 177-181
 "Cardiac Output in Healthy Preterm and Term Newborn Infants, Noninvasive Measurement of," 148-151
 Cardiomegaly, 193, 237
 Catheter(s)
 esophageal balloon, with neonatal gastric tube, 355-359
 Fogarty balloon, bronchial occlusion, 52-57
 perforations, due to, 347
 umbilical venous, hepatic injury and, 351, 352
 CAVM. *See* Cerebral arteriovenous malformation
 Cellulitis, IV related, 186-187
 Cephalic index, biparietal diameter measurement and, 127
 Cephalocentesis, 170-173
 Cervclage, cervical, 263-265
 "Cerebral Arteriovenous Malformation Presenting as Persistent Fetal Circulation," 236-241
 "Cerebral Blood Flow, Effect of Cephalic Pressure on Fetal," 223-226
 "Cervical Ripening with Intracervical Prostaglandin-E₂ Gel," 64-69
 "Cervicovaginal Fistula Formation: A New Complication of Shirodkar Cerclage," 263-265
 Cesarean section
 for breech presentation, mortality rates, 145-147
 delayed cord clamping in, 165-169
 plasma renin activity, 185-186
 subependymal and intraventricular hemorrhage (SEH/IVH) in low birthweight infants and, 110-111
 Chloramphenicol, 29
 Chloroquin, 29
 "Chromosomal Inversions, Clinical Implications of," 81-88
 Chromosome No. 18, 81-88
 "Chronic Lung Disease of Prematurity, Corticosteroid Therapy in," 23-27. *See also* Bronchopulmonary dysplasia
 "Chronic Renal Failure and Severe Diabetic Vasculopathy in Pregnancy," 341-344
 Chylothorax, 190, 191, 193
 Cloxacillin, intravenous, epidemiologic complications, neonatal, 187, 188
 "Community Hospitals, Care of Low-Birthweight and Sick Newborn Infants in," 247-250
 Congenital heart disease, pleural effusions and, 191, 192, 193-194
 "Congenital Lobar Emphysema Due to Bronchogenic Cyst," 196-198
 Congestive heart disease
 cerebral arteriovenous malformation (CAVM) and, 236-241
 pleural effusions and, 193
 respiratory distress syndrome and, 206
 "Conjoined Twins, Perinatal Management of," 58-62
 Continuing education. *See* Education programs
 "Cord Clamping in Cesarean Section with General Anesthesia, Delayed," 165-169
 Corticosteroid therapy
 effects of, 25-26
 in chronic lung disease of prematurity, 23-27
 for ITP, 252, 255, 256
 "Corticosteroid Therapy in Chronic Lung Disease of Prematurity," 23-27
 Cranial blood flow (CBF), hypoxic ischemic encephalopathy in neonates and, 114-117
 Creatine, fetal survival and, 341-342
 Cyanosis, 182-183
 CAVM and, 237, 239
 congenital lobar emphysema (CLE) and, 196, 197
 endotracheal tube suctioning and, 345, 346
 Cyst, bronchogenic, 196-198
 Cystic adenomatoid malformation (CAM) of lung, 281-284
 Danville Siamese Twins, 92-93
 Defective newborns, 89-97
 legal cases involving, 92-93
 rights of, 97, 93, 95
 treatment of, 89-92
 Depression, neonatal, lactate levels and, 306-309
 Dexamethasone, 26
 Diabetes, maternal
 and blood glucose levels, maternal, 161-164
 in pregnancy, gestational outcome and, 341-344
 thyroid hormone levels and, 259-262
 Diaphragm, hernias of, 191, 193.
See also Infradiaphragmatic total anomalous pulmonary venous drainage (ITAPVD)
 Digital intravenous angiography (DIVA), 1-5
 13, 14-Dihydro, 15 ketoprostaglandin-F2a (PGFM), 64-69
 Dipalmitoyl phosphatidylcholine (dipalmitoyl lecithin: DSPC), 208, 209-212
 "Diuresis and Respiratory Distress Syndrome in Infants Receiving Mechanical Ventilation, Postnatal," 203-207
 Diving seal reflex, 41
 Dopamine
 hepatic injury related to infusion site, 351-354
 undesirable effects associated with, 352
 Doppler ultrasound
 cardiac output measurement with, 148-151
 femoral arterial blood flow velocity measurement with, 217-222
 "Drug Utilization in a Neonatal Intensive Care Unit, Changing Pattern of," 28-30
 d-Tubocurare, 29
 Duplication, thoracoabdominal, 349-350
 Dyspnea, 197
 Dystocia, cervical, 263
 Early Childhood Direction Center Network, 98-101
 Ebstein's anomaly, neonatal, lithium-induced, 182-184
 Echocardiography, cross-sectional cerebral arteriovenous malformation (CAVM) and, 236-241
 lithium-induced Ebstein's anomaly evaluation by, 182-184
 Eclampsia, ITP and, 252
 Education programs
 newborn care programs in community hospitals, 247-250
 physical activity in pregnancy, 272-275, 276-279
 perinatal outreach, 335-340
 Emphysema
 congenital lobar (CLE), 196-198
 pulmonary interstitial, 52-57
 Encephalitis, listeria meningo-, 312, 316
 Encephalopathy, hypoxic-ischemic, 1-5, 114-117
 Endocarditis, neonatal
 alpha hemolytic Streptococcus viridans, 320
 group B beta-hemolytic streptococcal, 214-215
 Endotracheal tube suctioning, pneumothoraces due to, 345-348
 Enterocolitis (NEC), necrotizing in asphyxiated full-term infant, 40-42
 patent ductus arteriosus, 218
 pleural effusions and, 191
 Epidural anesthesia, and neonatal left ventricular performance, 152-157
 Epignathus, 360-361
 Erythropoiesis, infant, 177-181

- Erythropoietin (Ep), 177, 178, 180–181
Escherichia coli, 215
 Esophageal pressure changes, measurement of, 355–359
- Femoral artery blood flow, 216–222
 Femur
 abdominal perimeter values versus length of, 132
 growth of fetal, 138, 140, 141–142
 Fertility, chronic IPT and, 252
 Fetal distress, experimental metabolic monitoring during, 293–297
 Fetal growth, sonographic estimation of, 298–301
 "Fetal Head Biometry, Longitudinal Study of," 118–128
 biparietal diameter (BPD), 123–126
 cephalic index, 127
 conclusions, 127–128
 head perimeter, 126–127
 mathematical procedures, 119–121
 occipitofrontal diameter, 126
 patients and examination, 118–119
 results, 121–123
 Fetal head parameter, nomogram of growth of, 124
 Fetal heart rate monitoring during experimental fetal distress, 293–297
 in pregnancies complicated by diabetes, 161–164
 Fetal limb growth, 136–144
 Fetal lung maturity
 amniocentesis management of, 322–324
 L/S ratio and, 302–305
 Fetal weight, sonographic estimated (SEW), as a predictor of IUGR, 298–301
 Fluid balance, weight loss and, 204, 205, 206
 Fogarty balloon catheter, selective bronchial occlusion, 52–57
 Formula feeding, hyperbilirubinemia and, 47–51
Gardnerella vaginalis, 323
 Gasping syndrome, 288, 290, 291–292
 GBBHS disease, 214–215
 General anesthesia
 cesarean section, delayed cord clamping and, 165–169
 and neonatal left ventricular performance, 152–157
 Gentamicin, 29
 epidemiologic complications of, 187, 188
 for listeria meningitis, 312, 313, 314
- and pulmonary interstitial emphysema, 54
 Gestational age
 abdominal perimeter values versus, 132
 biparietal diameter (BPD) and, 123–126
 indices of, 12–13
 L/S ratio and, 302–305
 neurologic maturity and, 12–20
 sonographic estimated fetal weight as function of, 298–299
 subependymal and intraventricular hemorrhage (SEH/IVH) in low birthweight infants and, 107–113
 Glucose infusions, harmful effects of, 73–74
 Glucose levels, maternal blood bilirubin production and, 177–181
 in diabetic pregnancies, 161–164
 "Glucose Levels in Pregnancies Complicated by Diabetes, Increased Fetal Activity With Low Maternal Blood," 161–164
 Gravidity, subependymal and intraventricular hemorrhage (SEH/IVH) in low birthweight infants and, 109–110
 "Group B Beta-Hemolytic Streptococcal Endocarditis, A Neonatal Survivor of," 214–215
- Handicapped children/infants
 Early Childhood Direction Center Network, 98–101
 legal rights of, 93
 Head, fetal
 biometry, 118–128
 cerebral blood flow and pressure on, 223–226
 Heart
 cardiac output in preterm and term newborn infants, 148–151
 lithium-induced malformation, 182–184
 Heart disease
 congenital, pleural effusions and, 191, 192, 193–194
 congestive, 193, 206, 236–241
 hypoplastic left heart syndrome, 191, 192, 194
 infradiaphragmatic total anomalous pulmonary venous drainage (ITAPVD), 227–235
 Heart rate
 anesthesia and, effect on, 152–157
 cephalic pressure and, 224, 225
 delayed cord clamping and, 168
 Hematocrit values, effect of anesthesia on, 155
 Hematuria, 38
 Heme catabolism, 177, 178
 Hemorrhage
 adrenal calcified neonatal, 35–36
- benzyl alcohol toxicity and, 290–291
 carotid artery, 70–75
 idiopathic thrombocytopenic purpura (ITP) and, 251–253
 intracerebral, perinatal management of pregnancy complicated by, 266–267
 intracranial (ICH), 218
 neuro-motor development and, 325–330
 intraventricular, 290–291
 endotracheal tube suctioning and, 346
 in low-birthweight infants, 107–113
 resuscitative fluid infusion and, 70
 periventricular, 6–11
 pulmonary, 70
 subarachnoid, 266
 subependymal, 290–291
 in low birthweight infants, 107–113
 Hemothorax, 191
 "Hepatic Injury: A Possible Complication of Dopamine Infusion Through an Inappropriately Placed Umbilical Vein Catheter," 351–354
 Hepatomegaly, 352
 Hering-Breuer respiratory promoting reflex, 44–45
 Hernias, diaphragmatic, 191, 193
 Heteroscedasticity, 132
 HMD. *See* Hyaline membrane disease
 Humerus, fetal, growth of, 137–139, 141, 142
 Hyaline membrane disease (HMD)
 adrenal hemorrhage and, 36
 chronic lung disease of prematurity and, 25
 lecithin surfactant: contents and, 302–305
 periventricular hemorrhage, 7
 tolazoline-dopamine management of, 351
 vitamin E treatment of, 21
 "Hydrocele, Prenatal Detection of Bilateral," 195
 Hydrocephalus, fetal, 170–173
 prognosis of, 171–172
 ultrasound diagnosis of, 172, 326
 Hydronephrosis, segmental upper pole, 38
 Hydrops fetalis, 190, 191
 Hyperammonemia, 180
 Hyperbilirubinemia, 180
 breast- versus formula-fed infants and, 47–51
 dopamine infusion and, 351–352
 "Hyperbilirubinemia in Breast-versus Formula-Fed Infants in the First Six Weeks of Life: Relationship to Weight Gain," 47–51
 Hypercarbia, plasma renin activity

- and, 286
Hyperglycemia, 54
Hyperinsulinemia, fetal, 180–181
Hypertension
 gestational outcome and, 341–344
 pulmonary, 29,30
Hypertonic solutions, harmful effects of, 70–75
Hypoglycemia, 13,70,239
Hyponatremia, plasma renin activity and, 286
Hypoplasia, pulmonary, 191
Hypoplastic left heart syndrome, pleural effusions and, 191,192,194
Hypotension, neonatal, dopamine management of, 351
Hypovolemia, delayed cord clamping and, 168
Hypoxia, fetal, erythropoietin levels and, 180–181
Hypoxic-ischemic cardiomyopathy, 236
"Hypoxic-ischemic Encephalopathy: Cerebrovascular Carbon Dioxide Reactivity in Neonates," 114–117
"Idiopathic Thrombocytopenic Purpura, Perinatal and Neonatal Aspects of Maternal," 251–258
Indomethacin, 24,29,30
 induction of labor, with intracervical prostaglandin-E₂ gel, 64–69
Infant Doe, 93,95–96
Infant, 29
Infradiaphragmatic total anomalous pulmonary venous drainage (ITAPVD), 227–235
 catheterization of cardiac, 232–233
 umbilical venous, 232
diagnosis of
 by arterial oximetry, 231
 echocardiographic, 231–232
 electrocardiographic, 231
 radiographic, 230–231
 surgical considerations, 233
"Intracerebral Hemorrhage, The Perinatal Management of Pregnancy Complicated by," 266–267
"Intracranial Arterial Aneurysm, Management of Pregnancy Subsequent to Rupture of," 174–176
"Intracranial Hemorrhage and Neurodevelopmental Outcome at One Year in Infants Weighing 1200 Grams or Less," 325–330
Intraesophageal pressure changes, measurement of, 355–359
Intrauterine growth retardation (IUGR)
 abdominal perimeter values and, 129, 134
 biparietal diameter and, 123
 sonographic estimated fetal weight as predictor of, 298–301
"Intravenous (IV) Therapy, Nonmetabolic Complications of: Epidemiologic Considerations," 185–189
Intraventricular hemorrhage (IVH)
 benzyl alcohol toxicity and, 290,291
 endotracheal tube suctioning and, 346
 resuscitative fluid infusion and, 70–75
Isovolumic contraction time (ICT), effect of anesthesia on, 154,156
Isoxsuprine, 108
ITP. *See Idiopathic thrombocytopenic purpura*
IUGR. *See Intrauterine growth retardation*
Jaundice, breast milk, 47–51
Kanamycin, 29
 epidemiologic complications, neonatal, 187,188
Kidney
 calcified adrenal hemorrhage, 36–39
 chronic renal failure and severe diabetic vasculopathy in pregnancy, 341–344
Klebsiella bacteremia, 79
Labor induction, with intracervical prostaglandin-E₂ gel, 64–69
"Lactate Production by the Human Feto-placental Unit, Placental Contribution to," 306–309
Lactic acid monitoring, during fetal distress, 293–297
Lecithin to sphingomyelin (L/S) ratio, 208,211–212,323
 gestational age and, 302–305
Left ventricular performance, neonatal effect of anesthesia on, 152–157
Legal issues
 defective newborns, treatment of, 89–97
 malpractice suits, defense preparation for, 362–365
Leukocytosis, 40
Leukopenia, 40
Limb growth, fetal, 136–144
 femur, 138,140,141–142
 humerus, 137–139,141,142
 humerus to tibia ratio, 138,142
 tibia, 138,141,142–143
 ulna, 138,140,141,142
Lipase, breast milk, 47,49
"Listeria Meningitis During Pregnancy," 312–318
Listeria monocytogenes, 312,313,314–315
Listeriosis, 314–316
"Lithium and Neonatal Ebstein's Anomaly, Maternal: Evaluation with Cross-Sectional Echocardiography," 182–184
Liver disease. *See Hyperbilirubinemia; Necrotizing enterocolitis (NEC)*
Liver injury, dopamine infusion and, 351–354
Lobectomy, 198
Longitudinal studies
 of abdominal perimeter, 130
 advantages of, 136
 of fetal head biometry, 118–128
 of fetal limb growth, 136–144
"Longitudinal Study of Fetal Head Biometry, A," 118–128
"Longitudinal Study of Fetal Limb Growth," 136–144
Low-birthweight infants
 in community hospitals, care of, 247–250
 NICU treatment study of, 89–92
 serum tobramycin levels in, 242–246
subependymal and intraventricular hemorrhage (SEH/IVH) in, 107–113
Lown-Ganon-Levine Syndrome, 349–350
"L/S Ratio in Relationship to Gestational Age, Sensitivity and Specificity of," 302–305
Lung disease. *See also Bronchopulmonary dysplasia*
 chronic, of prematurity, 23–27,194
 cystic adenomatoid malformation, 281–284
emphysema
 congenital lobar (CLE), 196–198
 pulmonary localized, 52–57
 pleural effusions, neonatal, 190–194
Macrosomia, 123
Malpractice suits, defense preparation for, 362–365
Meconium aspiration syndrome
 CAVM and, 237, 238
 necrotizing enterocolitis and, 40–41
 pleural effusions and, 191,192,193,194
Meningitis, 215
 alpha hemolytic Streptococcus viridans, 320
 listeria, during pregnancy, 312–318
Meningoencephalitis, listeria, 312,316
Metabolic acidosis, 70,290,291
"Metabolic Monitoring During Experimental Fetal Distress, Trends in Continuous," 293–297
Meticillin, 29
 epidemiologic complications of, 187,188

- Methylprednisolone, 26
 Motor development, intracranial hemorrhage and, 325–330
 Myocardial ischemia, endotracheal tube suctioning and, 347
- NaHCO₃** infusions, harmful effects of, 73–74
"Necrotizing Enterocolitis in the Asphyxiated Full-Term Infant," 40–42
 Neonatal intensive care unit (NICU) admission and treatment perspectives, 93–94, 95
 benzyl alcohol toxicity in, 288–292
 bonding and, 160
 drug utilization patterns in, 28–30
 ethics committee and, 95
 financial limitations of, 94–95
 Infant Doe regulation impact on, 95–96
 parent involvement in, 94
 professional burnout in, 95
 stress and coping strategies of nurse managers in, 268–271
 Nephroblastoma, neonatal, 38
 Neuroblastomas, neonatal, 36
"Neurologic Examinations of Very Preterm Infants, Neonatal: Comparison of Results with Ultrasound Diagnosis of Periventricular Hemorrhage," 6–11
"Neurologic Maturity Relates More Strongly to Concurrent Somatic Development Than to Gestational Age, Newborn," 12–17
 Norepinephrine, plasma, effect of anesthesia on, 155
 Nuclear scintigraphy, selective broncial occlusion, 52–53, 56
 Nurse managers, NICU, stress and coping strategies of, 268–271
- Occipitofrontal diameter, measurement of, 126
"Occlusive Vascular Disease in Perinatal Cerebral Hypoxia-Ischemia," 1–5
 Oliguria, 38, 40
 Osteogenesis imperfecta congenita, Type IV, 102–104
 Oxytocin, 64–69
- Pancuronium, 7, 29
 gasless abdomen secondary to, 199–200
 respiratory distress syndrome, 54
 Parity, subependymal and intraventricular hemorrhage (SEH-IVH) in low birthweight infants and, 109–110
 Patent ductus arteriosus, 239
 chronic lung disease of prematurity and, 24–25, 194
 drug therapy for, 29
- "Patent Ductus Arteriosus on Lower Extremity Blood Flow Velocity Patterns in Preterm Infants, Effect of," 216–222
 Penicillin, 29
 epidemiologic complications, neonatal, 187, 188
"Perinatal Outreach Education," 335–340
 Peripheral intravenous (IV) therapy, neonatal epidemiologic complications, 185–189
 Periventricular hemorrhage, ultrasound diagnosis of, 6–11
 Persistent fetal circulation, 236–241
 Phenobarbital, 7
 Phlebitis, neonatal, IV related, 189
 Phosphatidylglycerol (PG), 208, 209, 212
"Phospholipids in Tracheal Effluent From Infants with Severe Respiratory Distress Syndrome," 208–213
 Physical activity in pregnancy NICHD workshop on, 276–279
 references for, 272–275
 Placenta, human
 ampicillin transfer and, 310–311
 lactate production and, 306–309
"Plasma Beta-Endorphin Concentration in Infants with Apneic Spells," 331–334
"Plasma Renin Activity After Birth and in the Early Newborn Period," 285–287
"Pleural Effusion in the First Days of Life: A Prospective Study," 190–194
 Pleural effusions, neonatal causes of, 190, 191–193
 diagnostic categories and outcomes, 190–191
 mortality rates associated with, 191
 Pneumonia
 alpha hemolytic Streptococcus viridans, 320
Bacteroides fragilis, 191
 staphylococcal, 190, 191
 Pneumothorax, 52, 345–348
"Pneumothorax Due to Endotracheal Tube Suction," 345–348
 Polycythemia, 177, 178, 180
 CAVM and, 239
 Polyhydramnios, 362
 Porencephaly, ultrasound diagnosis of, 326
 PRA. *See* Plasma renin activity
 Prednisone, for ITP, 252
 Preeclampsia, ITP and, 252
 Pregnancy(ies)
 meningitis during, 312–318
 physical activity in, 272–275
 NICHD workshop on, 276–279
 premature delivery and future, 158–160
- theophylline during, 31–35
"Premature Delivery and Subsequent Reproduction," 158–160
 Premature/preterm infants
 adrenal calcified hemorrhage, 35–36
 apnea management in, 43–46
 benzyl alcohol toxicity in, 288–289
 breech presentation of, 145–147
 child abuse and, 160
 legal issues, 93–94
 parental grief and stress and, 160
 patent ductus arteriosus, 216–222
 periventricular hemorrhage, 6–11
 plasma beta-endorphin (β-ED) concentration in, 331–334
 pneumothoraces in, 345–348
 Preterm rupture of membrane (PROM)
 alpha hemolytic Streptococcus viridans, 321
 amniocentesis management of, 322–324
"Preterm Rupture of Membranes, Conservative versus Aggressive Management of," 322–324
 Priscoline, 30
 Prostaglandin-E₂ gel, cervical ripening with, 64–69
 Pulmonary atresia, 191
 Pulmonary hemorrhage, resuscitative fluid infusion and, 70–75
 Pulmonary hypertension, drug therapy for, 29, 30
 Pulmonary hypoplasia, 191
"Pulmonary Interstitial Emphysema, Localized: Treatment by Bronchial Occlusion," 52–57
 Pulmonary surfactant deficiency, 210–212
"Pulmonary Venous Drainage, Infradiaphragmatic Total Anomalous: Diagnostic, Physiologic, and Surgical Considerations," 227–235
 Pulmonary venous drainage, obstructed total anomalous, 191, 192
- RDS. *See* Respiratory distress syndrome
 Renal vein thrombosis, 38
 Respiratory distress syndrome (RDS)
 apnea of premature infants and, 43
 benzyl alcohol toxicity and, 289–290
 bronchopulmonary dysplasia and, 21, 22, 23–27
 cerebral arteriovenous malformation (CAVM) and, 237
 congenital lobar emphysema (CLE) and, 196, 197

- diuresis and pulmonary function improvement, 203-207
- lecithin surfactant content and, 302
- localized cystic pulmonary interstitial emphysema and, 52-57
- phospholipids in tracheal effluent from infants with, 208-213
- pleural effusions and, 191, 193, 194
- pneumothoraces and, 345, 346
- "Resuscitative Fluids Upon Physical Properties of Blood Perfusing the Brain, Effect of," 70-75
- Retropertitoneal teratoma, 38
- Ritodrine, 263
- Scalp intravenous (IV) therapy, neonatal epidemiologic complications of, 185-189
- Septicemia, neonatal
- alpha hemolytic Streptococcus viridans, 319-321
 - IV related, 186
- "Serum Tobramycin Levels in Low- and Very Low-birthweight Infants," 242-246
- Shirodkar cerclage, 263-265
- Sloughs, IV related, 185-186, 188
- Sodium bicarbonate, 29, 40
- epidemiologic complications, neonatal, 187, 188
- Sodium nitroprusside, 30
- "Sonographic Estimated Fetal Weight in the Prediction of Intrauterine Growth Retardation," 298-301
- Spastic diplegia, intrauterine growth retardation and, 13
- Splenectomy, for ITP, 252
- Staphylococcus aureus*, 214, 215
- Staphylococcus epidermidis*, 193
- Streptococcus, group B, pleural effusions and, 191, 193
- Streptococcus viridans*, 214
- "Stress and Coping Strategies of Nurse Managers in the NICU," 268-271
- Subarachnoid hemorrhage, 266
- "Subependymal and Intraventricular Hemorrhage in Low Birthweight Infants, Perinatal Factors that Influence the Incidence of," 107-113
- Subependymal hemorrhage (SEH)
- benzyl alcohol toxicity and, 290-291
 - in low-birthweight infants, 107-113
- Suction catheters, insertion distance for, 347
- Superior vena cava, dilation of, 240
- Systolic time intervals, effects of anesthesia on, 154, 155-157
- Tachycardia
- aminophylline therapy for, 35
 - pulmonary interstitial emphysema and, 54
- Tachypnea, transient, 191, 209, 211
- Teratoma, retroperitoneal, 38
- Theophylline
- apnea of premature infants and, 43-46
 - and nonsmoking pregnant patients at term, 31-35
- "Theophylline in Pregnant Patients at Term, Pharmacokinetics of Intravenous," 31-35
- "Thoracoabdominal Duplication," 349-350
- Thrombocytopenia, neonatal, 40, 251-258
- alpha hemolytic Streptococcus viridans, 321
- benzyl alcohol toxicity and, 291
- management of, 255-256
- maternal ITP-induced, 253
- natural course of, 254-255
- pathogenesis of, 253-254
- Thrombophlebitis, IV related, 186, 189
- "Thyroid Hormone Levels in Diabetic Mothers and Their Neonates," 259-262
- Thyrotropin (TSH), serum, 259-262
- Thyroxine, 259-262
- Tibia, fetal, growth of, 138, 141, 142-143
- Tobramycin
- epidemiologic complications of, 187, 188
 - serum, levels in low- and very low-birthweight infants, 242-246
- Tolazoline, 29, 30, 351
- TPN solutions, intravenous, epidemiologic complications, neonatal, 187-189
- Transpulmonary pressure, estimating, 355-359
- Triiodothyronine (T_3), 259-262
- Truncus arteriosus, Type IV, 239
- TTNB, 193
- Twins, conjoined, perinatal management of, 58-62
- UDPGA transferase, 49
- Ulna, fetal, growth of, 138, 140, 141, 142
- Ultrasound diagnosis
- of adrenal hemorrhage, 36-39
 - of cardiac output in newborns, 148-151
 - of cystic adenomatoid malformation (CAM) of lung, 281-284
 - of femoral arterial blood flow velocity, 217-222
- in fetal head biometry, 118-119, 126
- of gestational age, 12, 17
- of hydroceles, 195
- of hydrocephalus, 172
- of intracranial hemorrhage, 326, 327, 329
- of intrauterine growth retardation, 298-301
- of osteogenesis imperfecta congenita, Type IV, 102-104
- of subependymal and intraventricular hemorrhage (SEH/IVH) in low birthweight infants, 108
- Umbilical cord
- delayed clamping of, in cesarean section with general anesthesia, 165-169
 - venous blood PRA, 285-287
- Urine flow rates, pulmonary function improvement and, 203-207
- Velocity curve analysis, 124-125
- "Ventricular Performance After Vaginal Delivery and Cesarean Section Under General or Epidural Anesthesia, Neonatal Left," 152-157
- "Ventriculomegaly," 325-330
- Very low-birthweight infants in community hospitals, care of, 247-250
- intracranial hemorrhage and neuro-motor development in, 325-330
- serum tobramycin levels in, 242-246
- Weight loss, neonatal, fluid balance and, 204, 205, 206
- Workshops. See Education programs

